



SEQUENCE LISTING

<110> Hamm, Heide  
Gilchrist, Annette

<120> Method For Identifying Inhibitors of G Protein Coupled Receptor Signaling

<130> 2661-101

<140> US 09/852,910

<141> 2001-05-11

<150> US 60/275,472

<151> 2001-03-14

<160> 271

<170> PatentIn version 3.0

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Gln Arg Met His Leu Arg Gln Tyr Glu Leu Leu  
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<213> Homo sapiens

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33

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<213> Homo sapiens

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Leu Gln Glu Asn Leu Lys Asp Ile Met Leu Gln

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<210> 46  
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Leu Ser Glu Asn Val Ser Ser Met Gly Leu Phe  
1 5 10

<210> 47  
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<212> PRT  
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Ile Ala Lys Asn Leu Arg Gly Cys Gly Leu Tyr  
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<213> Ustilago maydis

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<210> 66

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<213> Mus musculus

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Asp Glu Ser Met Arg Arg Ser Arg Glu Gly Thr  
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Ile Ile Ser Ala Ser Leu Lys Met Val Gly Val  
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<210> 79  
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Asn Glu Asn Leu Arg Ser Ala Gly Leu His Glu  
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Arg Leu Ile Arg Tyr Ala Asn Asn Ile Pro Val  
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Glu Gln Trp Asn Met Asn Thr Phe His Met Ile  
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Ser Gln Val Lys Leu Gln Lys Gly His Leu Val  
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<210> 93

<211> 11

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gtaaagc 67

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Glu Val Arg Arg  
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<400> 163

Leu Gln Leu Asn Val Lys Glu Tyr Asn Leu Val  
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Leu Arg Ile Tyr Leu Lys Gly Tyr Asn Leu Val  
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Ser Ile Arg

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Arg Trp Ile Val  
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Gly Gly His  
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Arg Ser Glu Val  
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Cys Glu Pro Gly  
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His Gln Met Ala  
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Val Pro Ser Pro  
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Gln Met Pro Asn  
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Met Trp Pro Ser  
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Cys Val Glu  
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<400> 175

Leu Gln Leu Asn Leu Lys Val Tyr Asn Leu Val  
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<400> 176

Leu Glu Leu Asn Leu Lys Val Tyr Asn Leu Phe  
1 5 10

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<400> 177

Leu His Leu Asn Met Ala Glu Val Ser Leu Val  
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<400> 178

Leu Lys Arg Tyr Leu Lys Glu Ser Asn Leu Val  
1 5 10

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Pro Arg Gln Leu  
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Phe Phe Trp Val  
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Gln Arg Asp Thr  
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Asn Phe Arg Asn  
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<400> 183

Leu Gln Leu Lys Arg Gly Glu Tyr Ile Leu Val  
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Cys Ser Leu Lys Leu Lys Ala Tyr Asn Leu Val  
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<400> 186

Pro Gln Leu Asn Leu Asn Ala Tyr Asn Leu Val  
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<211> 11

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<400> 187

Gln Gly Met Gln Leu Arg Arg Phe Lys Leu Arg  
1 5 10

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<400> 188

Arg Trp Leu His Trp Gln Tyr Arg Gly Arg Gly  
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<400> 189

Pro Arg Pro Arg Leu Leu Arg Phe Lys Ile Pro  
1 5 10

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<400> 190

Gln Gly Glu His Leu Arg Gln Leu Gln Leu Gln  
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<400> 191

Gln Arg Leu Arg Leu Gly Pro Asp Glu Leu Phe  
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<400> 192

Gln Arg Ile His Arg Arg Pro Phe Lys Phe Phe  
1 5 10

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<400> 193

Gln Arg Met Pro Leu Arg Leu Phe Glu Phe Leu  
1 5 10

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<400> 194

Gln Arg Val His Leu Arg Gln Asp Glu Leu Leu  
1 5 10

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<400> 195

Asp Arg Met His Leu Trp Arg Phe Gly Leu Leu  
1 5 10

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<400> 196

Gln Arg Met Pro Leu Arg Gln Tyr Glu Leu Leu  
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Gln Trp Met Asp Leu Arg Gln His Glu Leu Leu  
1 5 10

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<400> 198

Gln Arg Met Asn Leu Gly Pro Cys Gly Leu Leu  
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Asn Cys Met Lys Phe Arg Ser Cys Gly Leu Phe  
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Gln Arg Leu His Leu Arg Gly Tyr Glu Phe Leu  
1 5 10

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<400> 201

His Arg Arg His Ile Gly Pro Phe Ala Leu Leu  
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Glu Arg Leu His Arg Arg Leu Phe Gln Leu His  
1 5 10

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<400> 203

Pro Cys Ile Gln Leu Gly Gln Tyr Glu Ser Phe  
1 5 10

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<400> 204

Gln Arg Leu Arg Leu Arg Lys Tyr Arg Leu Phe  
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<400> 205

Ile Val Glu Ile Leu Glu Asp Cys Gly Leu Phe

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<400> 206

Met Leu Asp Asn Leu Lys Ala Cys Gly Leu Phe  
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<400> 207

Ile Leu Glu Asn Leu Lys Asp Cys Gly Leu Phe  
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<400> 208

Leu Arg Glu Asn Leu Lys Asp Cys Gly Leu Leu  
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<400> 209

Leu Leu Asp Ile Leu Lys Asp Cys Gly Leu Phe  
1 5 10

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<400> 210

Val Arg Asp Ile Leu Lys Asp Cys Gly Leu Phe  
1 5 10

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<400> 211

Ile Leu Glu Ser Leu Asn Glu Cys Gly Leu Phe  
1 5 10

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<400> 212

Ile Leu Gln Asn Leu Lys Asp Cys Gly Leu Phe  
1 5 10

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1 5 10

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<400> 215

Ile Cys Glu Asn Leu Lys Asp Cys Gly Leu Phe  
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Ile Val Lys Asn Leu Glu Asp Cys Gly Leu Phe  
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<400> 217

Ile Ser Lys Asn Leu Arg Asp Cys Gly Leu Leu  
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<400> 218

Ile Arg Asp Asn Leu Lys Asp Cys Gly Leu Phe  
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Ile Arg Glu Phe Leu Thr Asp Cys Gly Leu Phe  
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Ile Arg Leu Asp Leu Lys Asp Val Ser Leu Phe  
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Ile Cys Glu Arg Leu Asn Asp Cys Gly Leu Cys  
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<400> 222

Pro Arg Asp Asn Thr Lys Val Arg Gly Leu Phe  
1 5 10

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<400> 223

Phe Trp Gly Asn Leu Gln Asp Ser Gly Leu Phe  
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<400> 224

Arg Arg Gly Asn Gly Lys Asp Cys Arg His Phe  
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Leu Gln Glu Asn Leu Lys Glu Met Met Leu Gln  
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<400> 226

Leu Glu Glu Asn Leu Lys Tyr Arg Met Leu Asp  
1 5 10

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<400> 227

Leu Gln Glu Asp Leu Lys Gly Met Thr Leu Gln  
1 5 10

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<400> 228

Leu Gln Glu Thr Met Lys Asp Gln Ser Leu Gln  
1 5 10

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<400> 229

Pro Gln Val Asn Leu Lys Ser Ile Met Arg Gln

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 1 5 10  
  
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Leu Gln Asp Asn Leu Lys Gln Leu Met Leu Gln  
1 5 10

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Leu Gln Asp Asn Leu Arg His Leu Met Leu Gln  
1 5 10

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<400> 235

Leu Gln Asp Lys Ile Asn His Leu Met Leu Gln  
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<400> 236

Leu Gln Ala Asn Arg Lys Leu Gly Met Leu Gln  
1 5 10

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<400> 237

Leu Ile Val Lys Val Lys Gln Leu Ile Trp Gln  
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<400> 238

Met Arg Ala Lys Leu Asn Asn Leu Met Leu Glu  
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Leu Gln Asp Asn Leu Arg His Leu Ile Gln  
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<400> 240

Leu Arg Asp Asn Arg Asn Gln Leu Leu Phe  
1 5 10

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<400> 241

Leu Gln Leu Asn Arg Lys Asn Tyr Asn Leu Val  
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Leu Gln Leu Asp Leu Lys Glu Ser Asn Met Val  
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Leu Gln Leu Asn Leu Lys Lys Tyr Asn Arg Val  
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Leu Gln Leu Arg Val Lys Glu Tyr Lys Arg Gly  
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Leu Gln Ile Tyr Leu Lys Gly Tyr Asn Leu Val  
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<400> 246

Leu Gln Tyr Asn Leu Lys Glu Ser Phe Val Val  
1 5 10

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<400> 247

Leu Gln Arg Asp His Val Glu Tyr Lys Leu Phe  
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<210> 248

<211> 11

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Leu Val Ile Lys Pro Lys Glu Phe Asn Leu Val  
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<400> 249

Ile Gln Leu Asn Leu Lys Asn Tyr Asn Ile Val  
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<223> G11 library peptide

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Met Gln Leu Asn Leu Lys Glu Tyr Asn Leu Val  
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Val Gln Val Lys Leu Lys Glu Tyr Asn Leu Val  
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Gln Leu Leu Asn Gln Tyr Val Tyr Asn Leu Val  
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<210> 253

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Trp Arg Leu Ser Leu Lys Val Tyr Asn Leu Val  
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<400> 254

Leu Gln Arg Asn Lys Asn Gln Tyr Asn Leu Gly  
1 5 10

<210> 255

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<400> 255

Leu Tyr Leu Asp Leu Lys Glu Tyr Cys Leu Phe  
1 5 10

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<400> 256

Ser Ala Lys Glu Leu Asp Gln Tyr Asn Leu Gly  
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<211> 11

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Leu Phe Leu Asn Leu Lys Glu Tyr Ser Leu Val  
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<400> 258

Leu Glu Leu Asn Leu Lys Val Tyr Asn Leu Val  
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Leu Pro Leu Asn Leu Ile Asp Phe Ser Leu Met  
1 5 10

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<400> 260

Leu Pro Arg Asn Leu Lys Glu Tyr Asp Leu Gly  
1 5 10

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<400> 261

Leu Arg Leu Asn Asp Ile Glu Ala Leu Leu Val  
1 5 10

<210> 262  
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<400> 262

Leu Val Leu Asn Arg Ile Glu Tyr Asn Leu Leu  
1 5 10

<210> 263  
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<222> (1)..(11)  
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<400> 263

Leu Lys Arg Lys Leu Lys Glu Ser Asn Met Gly  
1 5 10

<210> 264  
<211> 11  
<212> PRT  
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<222> (1)..(11)  
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<400> 264

Leu Lys Arg Lys Val Lys Glu Tyr Asn Leu Gly  
1 5 10

<210> 265  
<211> 19  
<212> DNA  
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<222> (1)..(19)  
<223> Reverse primer

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gaaaatcttc tctcatccg

19

<210> 266  
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<220>  
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<400> 266

Ile Leu Glu Asn Leu Lys Asp Cys Gly Leu Leu  
1 5 10

<210> 267  
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<400> 267  
gccgccacc

9

<210> 268  
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<212> DNA  
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<221> misc\_feature  
<222> (1)..(57)  
<223> Gi alpha 1/2 carboxy terminal sequence oligonucleotide

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gatccgccgc caccatggga atcaagaaca acctgaagga ctgcggcctc ttctgaa

57

<210> 269  
<211> 57  
<212> DNA  
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<220>  
<221> misc\_feature  
<222> (1)..(57)  
<223> complementary strand to Gi alpha 1/2 oligonucleotide

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agctttcaga agaggccgca gtccttcagg ttgttcttga ttcccatggt ggcggcg

57

<210> 270  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<221> misc\_feature  
<222> (1)..(19)  
<223> forward primer for G alpha carboxyl terminal peptide insert

<400> 270  
atccgccgcc accatggga

19

<210> 271  
<211> 20  
<212> DNA  
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<220>  
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<223> reverse primer for G alpha carboxyl terminal peptide insert

<400> 271  
gcgaaaggag cggggcgcta

20